

AMENDMENTS TO THE CLAIMS

Please amend claims 1 and 2, and add new claims 7 and 8, as follows:

1. (Currently Amended) An auxiliary memory device for an automation controller[[s]], comprising:

a connecting unit, which is connected to the automation controller for transmitting and receiving a specific datum;

a switching unit, which is connected to the connecting unit for switching the transmission directions of the specific datum;

a storage unit, which contains at least one memory element and is connected to the switching unit for storing the specific datum; and

a load unit, which contains a plurality of load components connecting to a work power supply for receiving the work power and generating a load.

2. (Currently Amended) The auxiliary memory device of claim 1, wherein the storage unit further comprises:

a power supply pin, which is connected to the work power supply for receiving the work power;

a ground pin, ~~which, along with the connecting unit, is connected to a~~ ground end of the connecting unit to form a ground loop;

a pulse wave pin, ~~which, along with the connecting unit, is connected to a data end for receiving and transmitting the specific data from the automation controller.~~ connected to a pulse wave end of the connecting unit for receiving simulating system clocks sent from the automation controller;

and

a data pin connected to a data end of the connecting unit for at least one of receiving and transmitting the specific data at least one of from and to the automation controller.

3. (Original) The auxiliary memory device of claim 1, wherein the auxiliary memory device transmits the specific datum in the storage unit to the automation controller when the switching unit is closed.
4. (Original) The auxiliary memory device of claim 1, wherein the auxiliary memory device receives the specific datum in the storage unit from the automation controller when the switching unit is open.
5. (Original) The auxiliary memory device of claim 1, wherein the connecting unit is an RS232 interface.
6. (Original) The auxiliary memory device of claim 1, wherein the load components further comprises:

a first load component, which is a resistor for generating a load between the work voltage and the switching unit;

a second load component, which is a resistor for generating a load between the work voltage and the pulse wave pin; and

a third load component, which is a resistor for generating a load between the work voltage and the data pin.

7. (New) An auxiliary memory device for an automation controller having an internal memory and a processing unit for processing according to a internal instructions stored in the internal memory, comprising:

a storage unit, having at least one memory element for storing specific data including updates of, the internal instructions stored in the internal memory of the automation controller, and for backing up the internal instructions stored in the internal memory;

a connecting unit for connection to the automation controller for transmitting and receiving the specific data between the internal memory of the automation controller and the storage unit;

a switching unit, connected to the connecting unit for switching transmission directions of the specific data between the storage unit and the internal memory of the automation controller; and

a load unit, which contains a plurality of load components connecting to a work power supply for receiving the work power and generating a load.

8. (New) In combination,

an automation controller having an internal memory and a processing unit for processing according to a internal instructions stored in the internal memory; and

an auxiliary memory device for the automatic controller, including:

a storage unit, having at least one memory element for storing specific data including updates of, the internal instructions stored in the internal memory of the automation controller, and for backing up the internal instructions stored in the internal memory,

a connecting unit for connection to the automation controller for transmitting and receiving the specific data between the internal memory of the automation controller and the storage unit,

a switching unit, connected to the connecting unit for switching transmission directions of the specific data between the storage unit and the internal memory of the automation controller, and

a load unit, which contains a plurality of load components connecting to a work power supply for receiving the work power and generating a load.